

FIG. 1

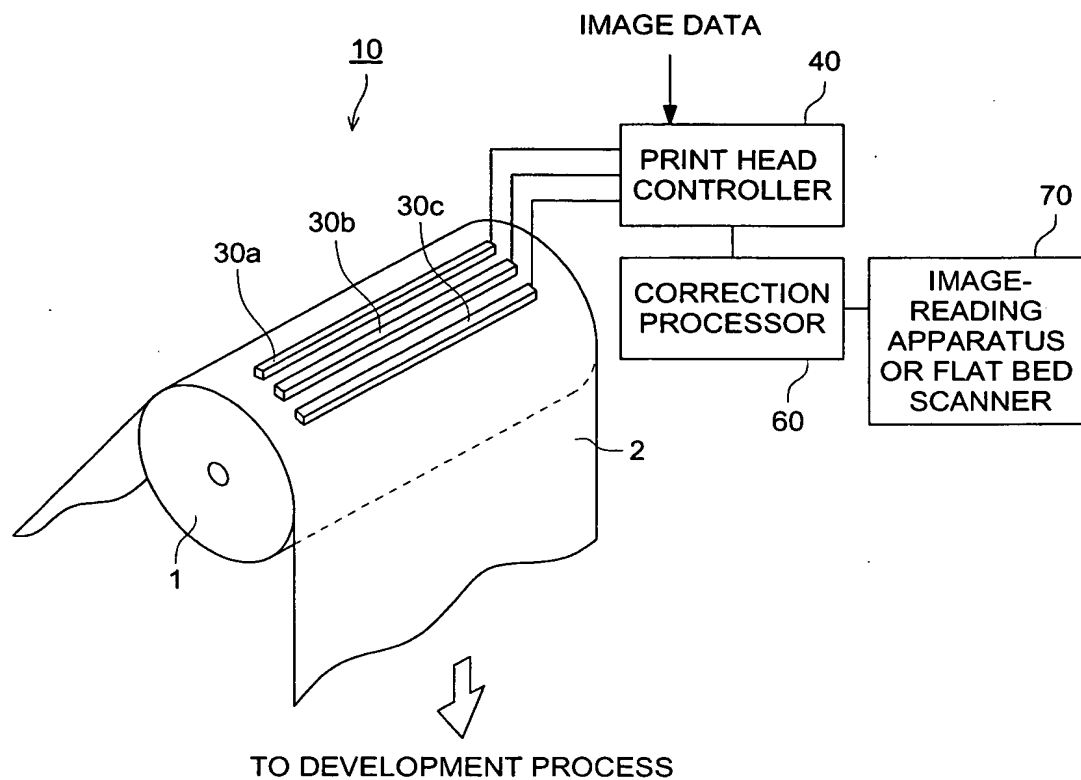


FIG. 2 (a)

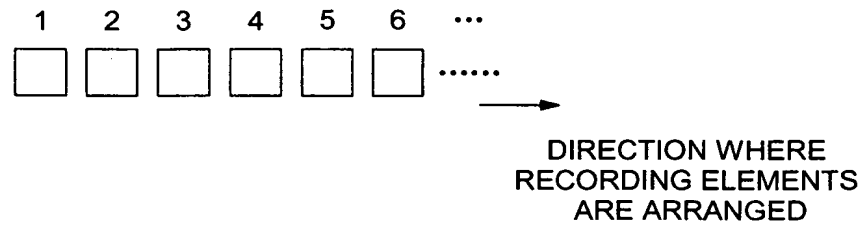


FIG. 2 (b)

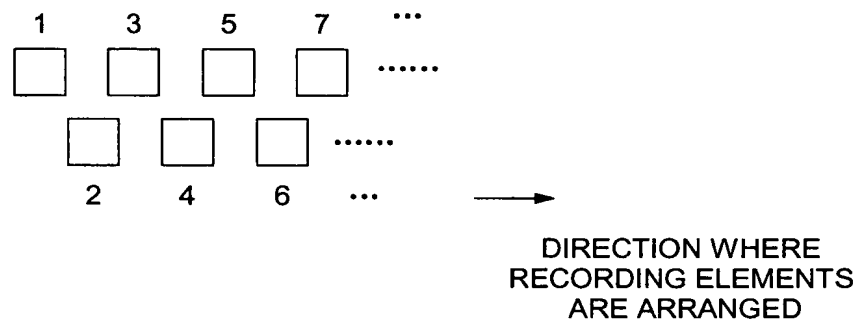


FIG. 2 (c)

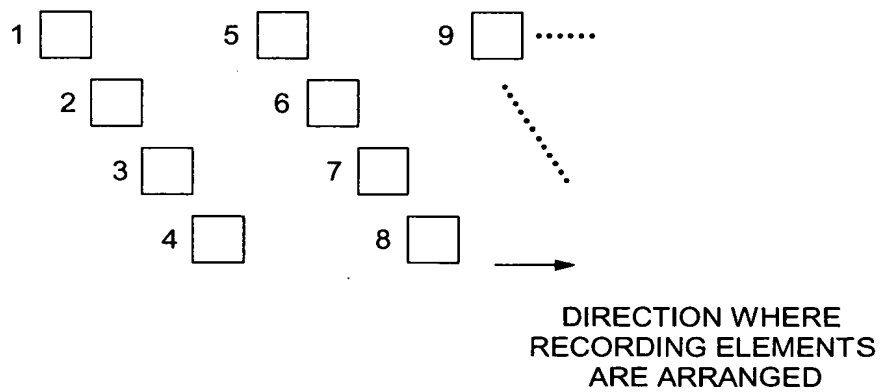


FIG. 3

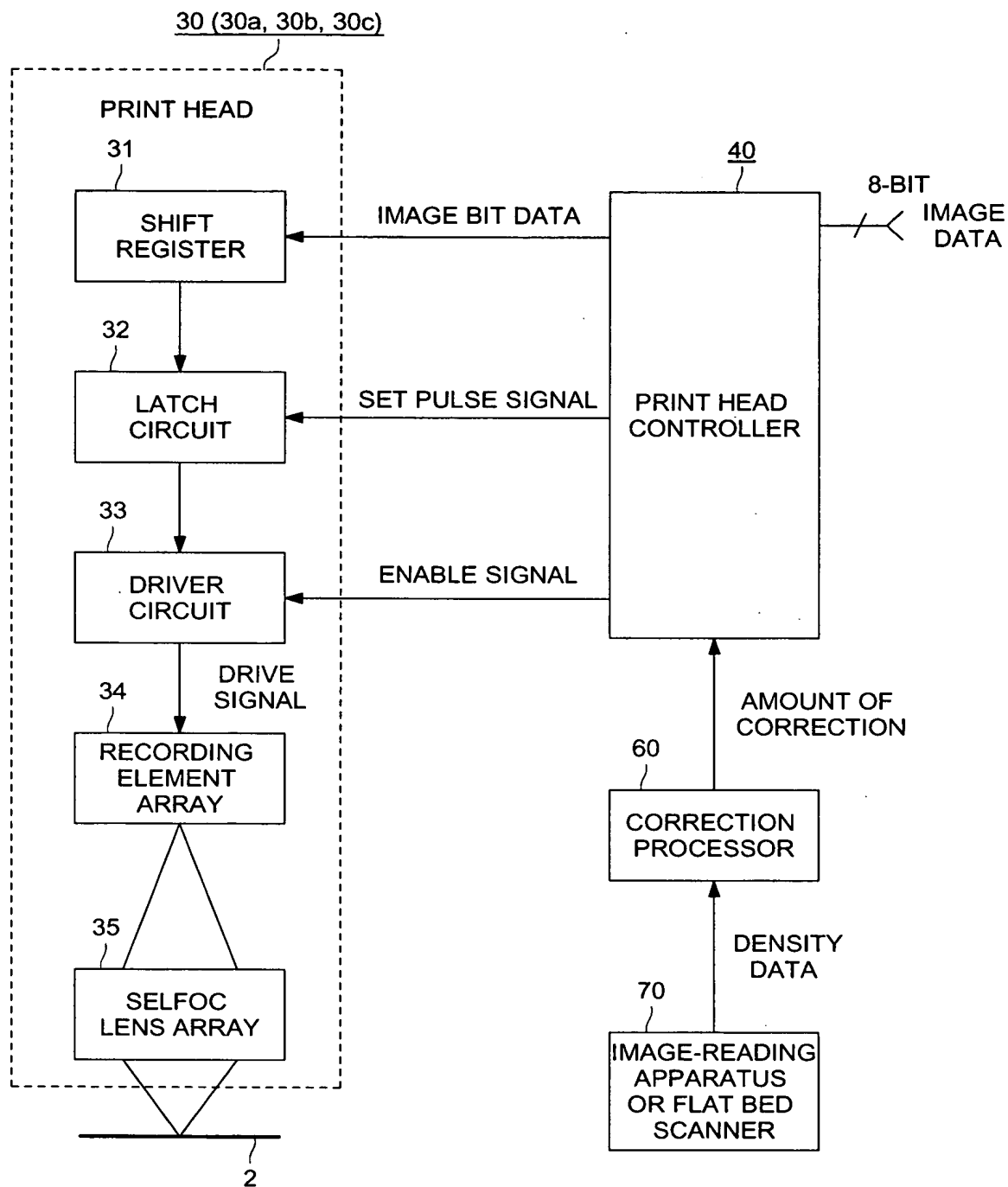


FIG. 4 (a)

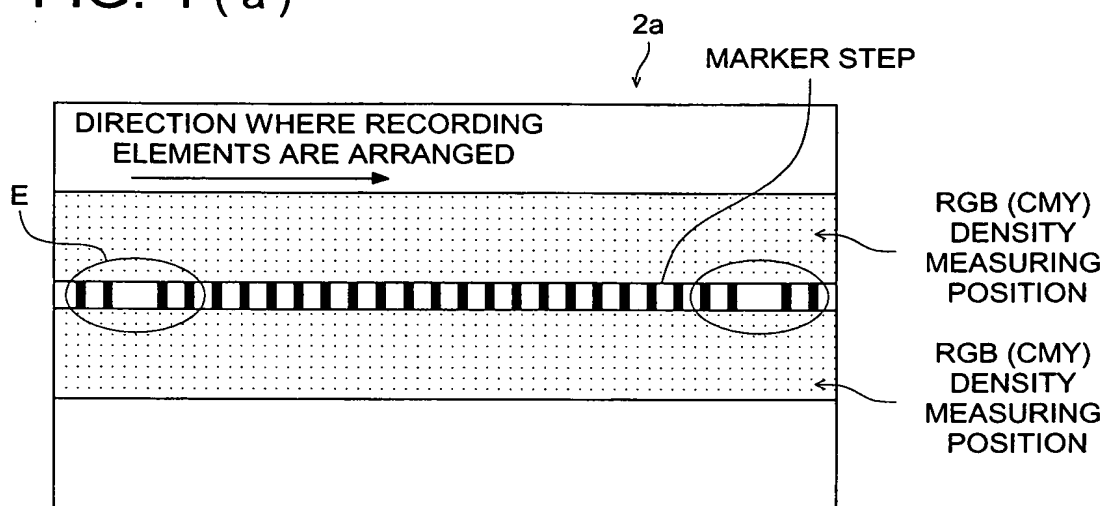


FIG. 4 (b)

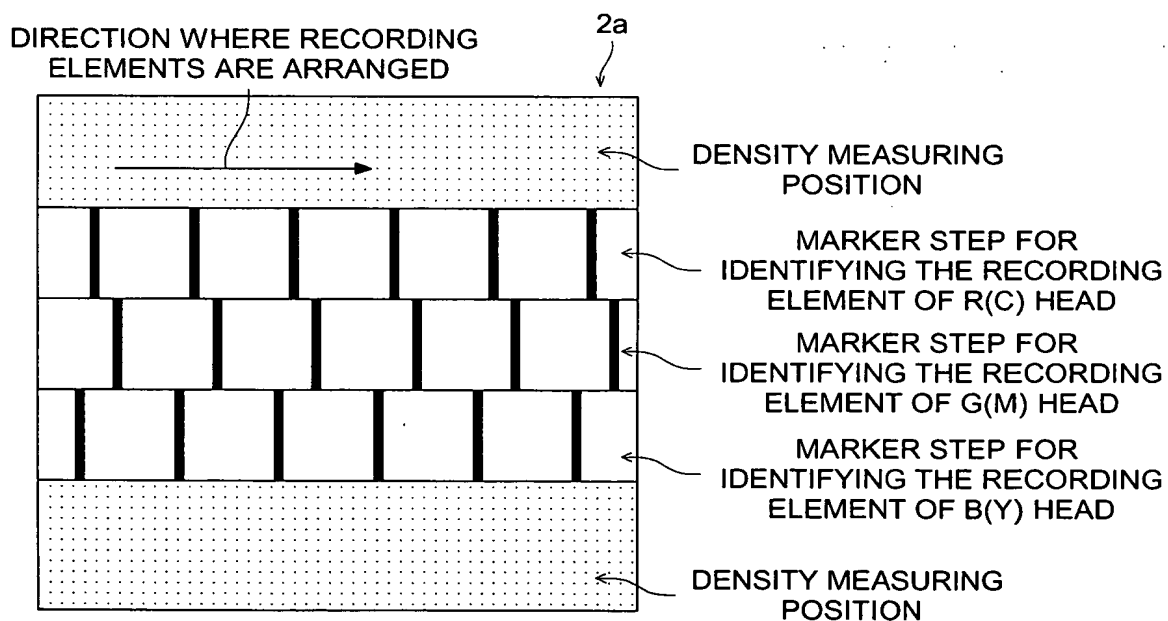


FIG. 5 (a)

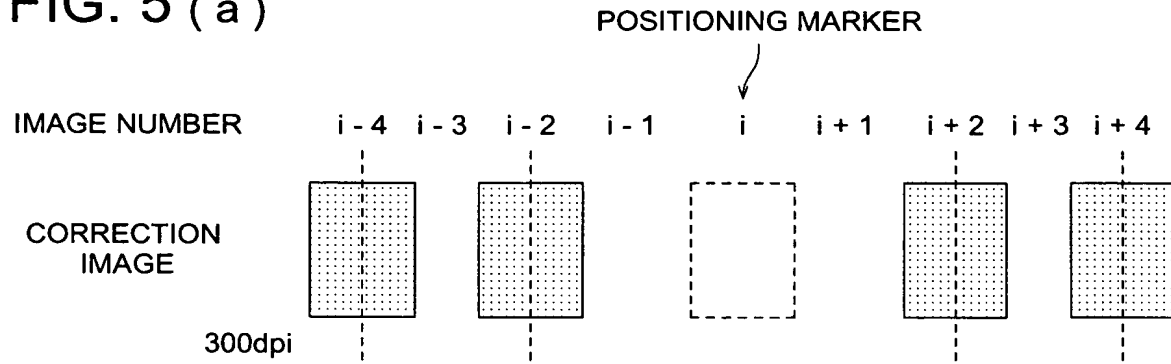


FIG. 5 (b)

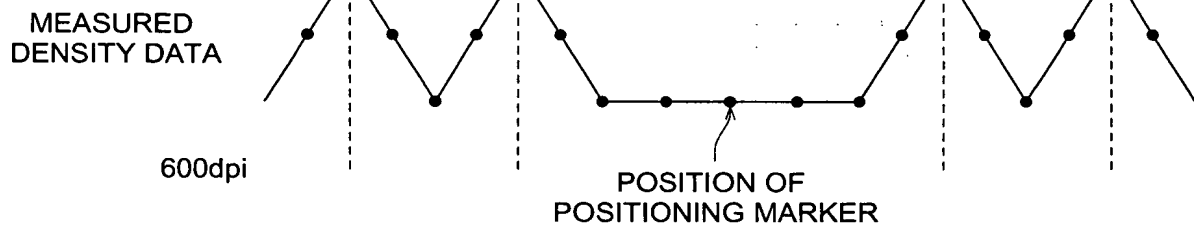


FIG. 6

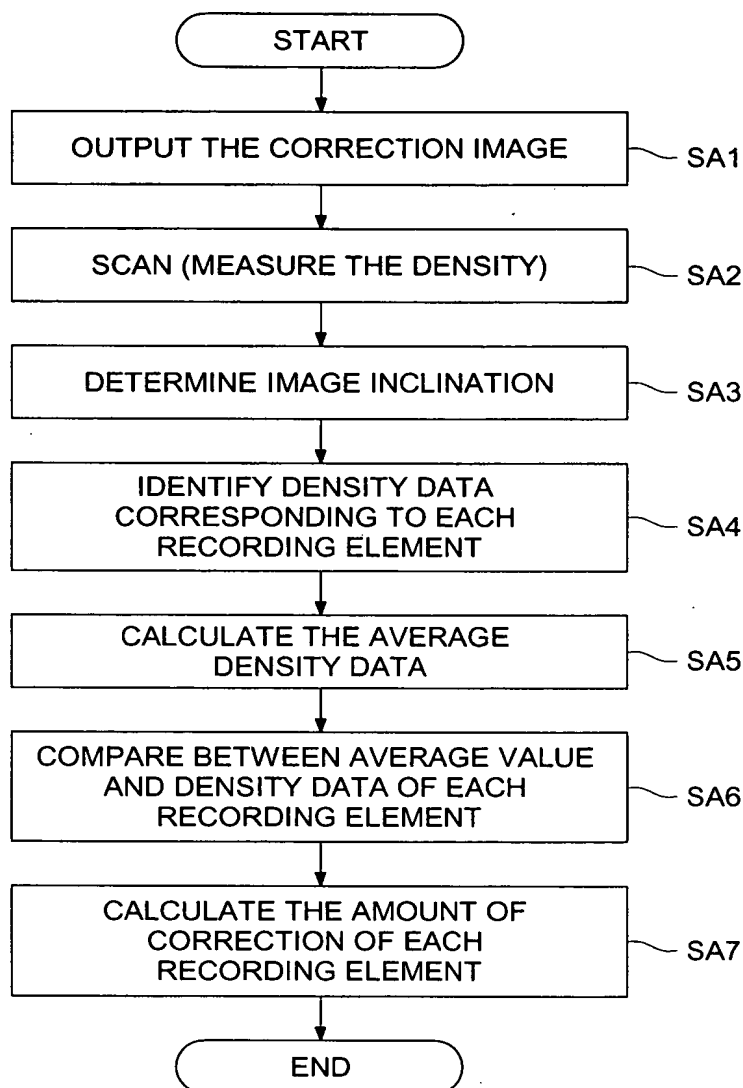
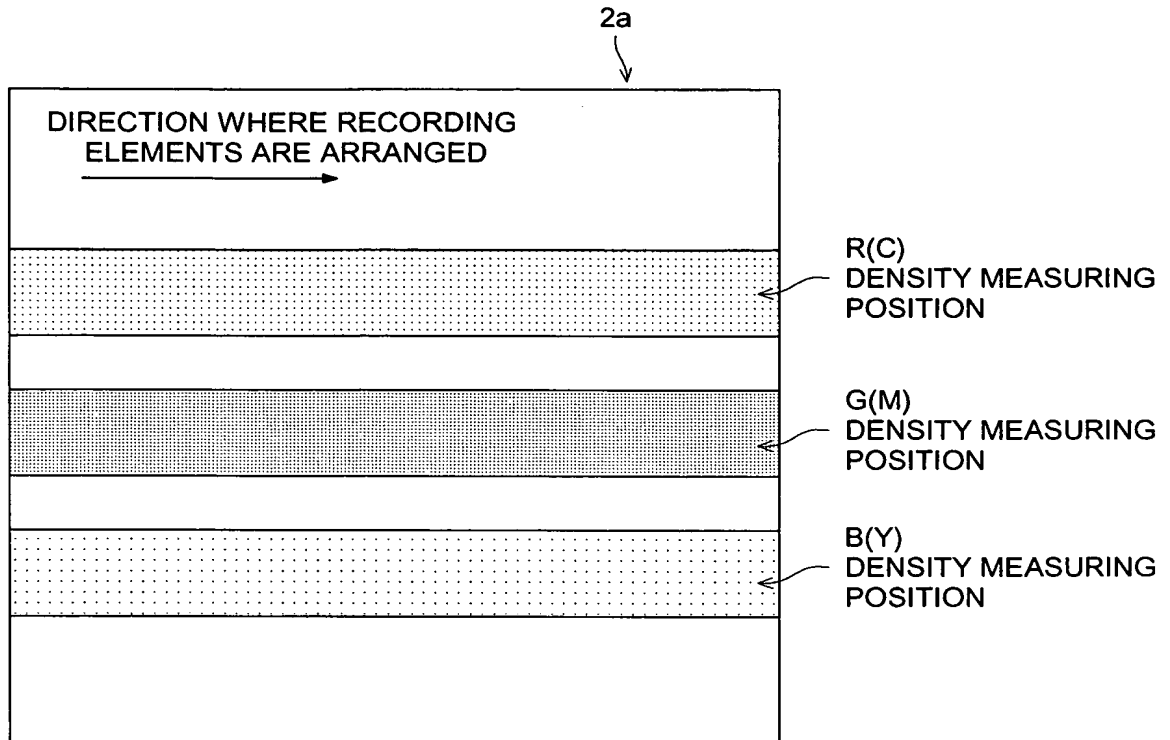


FIG. 7



## FIG. 8

### EXAMPLE 1

	UNEVENNESS OF DENSITY (LOW-FREQUENCY COMPONENT IN PARTICULAR)	UNEVENNESS OF DENSITY OF EDGE
<1> RGB SINGLE-COLOR CHART	BAD	VERY BAD
<2> GRAY CHART	EXCELLENT	EXCELLENT

## FIG. 9

### EXAMPLE 2

	NUMBER OF CORRECTIONS	UNEVENNESS OF DENSITY
<1> COLOR CHANGED	THREE TIMES	EXCELLENT
<2> COLOR UNCHANGED	FIVE TIMES	GOOD
<3> RGB SINGLE-COLOR CHART	NO IMPROVEMENT IN UNEVENNESS OF DENSITY. EXPERIMENT DISCONTINUED AFTER NINE CORRECTIONS	BAD



## FIG. 10

### EXPERIMENT 5

NUMBER OF LINES	USAGE RATE (%)	NUMBER OF CORRECTIONS	UNEVENNESS OF DENSITY
40	75	7	PASSABLE
50	75	4	GOOD
60	75	3	EXCELLENT
80	75	3	EXCELLENT
100	75	3	EXCELLENT
200	75	4	GOOD
1000	75	5	GOOD
1050	75	7	PASSABLE
50	5	7	PASSABLE
50	10	5	GOOD
50	20	3	EXCELLENT
1000	80	3	EXCELLENT
1000	90	4	GOOD
1000	95	6	PASSABLE

FIG. 11

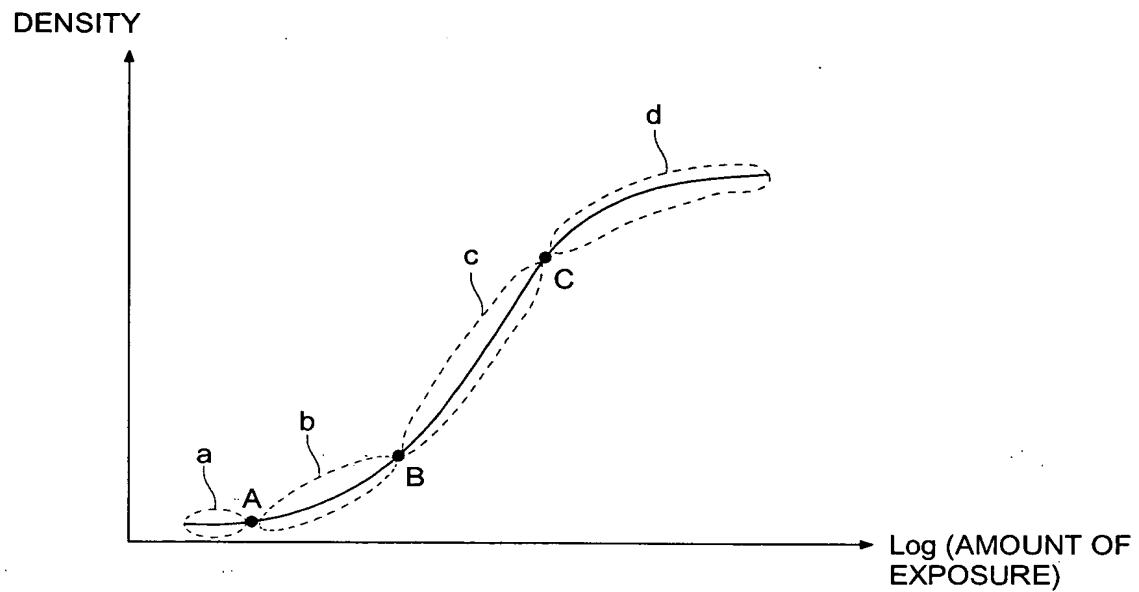


FIG. 12

EXPERIMENT 6

	UNEVENNESS OF DENSITY
<1> LOW DENSITY CHART	GOOD
<2> INTERMEDIATE DENSITY CHART	EXCELLENT
<3> HIGH DENSITY CHART	PASSABLE

FIG. 13

EXPERIMENT 7

R	G	B	NUMBER OF CORRECTIONS	UNEVENNESS OF DENSITY
0.20	0.45	0.45	7	PASSABLE
0.30	0.45	0.45	5	GOOD
0.40	0.45	0.45	4	GOOD
0.50	0.45	0.45	3	EXCELLENT
0.60	0.45	0.45	3	EXCELLENT
0.70	0.45	0.45	3	EXCELLENT
1.00	0.45	0.45	4	GOOD
1.50	0.45	0.45	5	GOOD
1.60	0.45	0.45	7	PASSABLE
0.65	0.10	0.45	7	PASSABLE
0.65	0.20	0.45	5	GOOD
0.65	0.30	0.45	4	GOOD
0.65	0.40	0.45	3	EXCELLENT
0.65	0.50	0.45	3	EXCELLENT
0.65	0.60	0.45	3	EXCELLENT
0.65	0.80	0.45	4	GOOD
0.65	1.50	0.45	5	GOOD
0.65	1.60	0.45	7	PASSABLE
0.65	0.45	0.10	7	PASSABLE
0.65	0.45	0.15	5	GOOD
0.65	0.45	0.30	4	GOOD
0.65	0.45	0.40	3	EXCELLENT
0.65	0.45	0.50	3	EXCELLENT
0.65	0.45	0.60	3	EXCELLENT
0.65	0.45	1.00	4	GOOD
0.65	0.45	1.50	5	GOOD
0.65	0.45	1.60	7	PASSABLE

FIG. 14

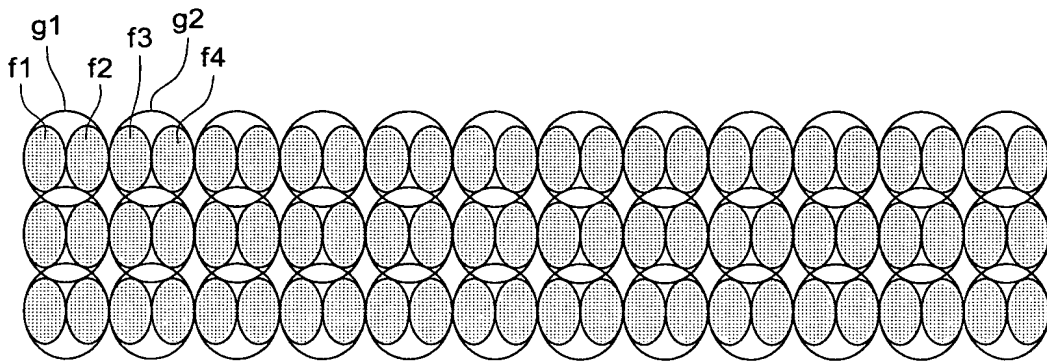


FIG. 15 (a)

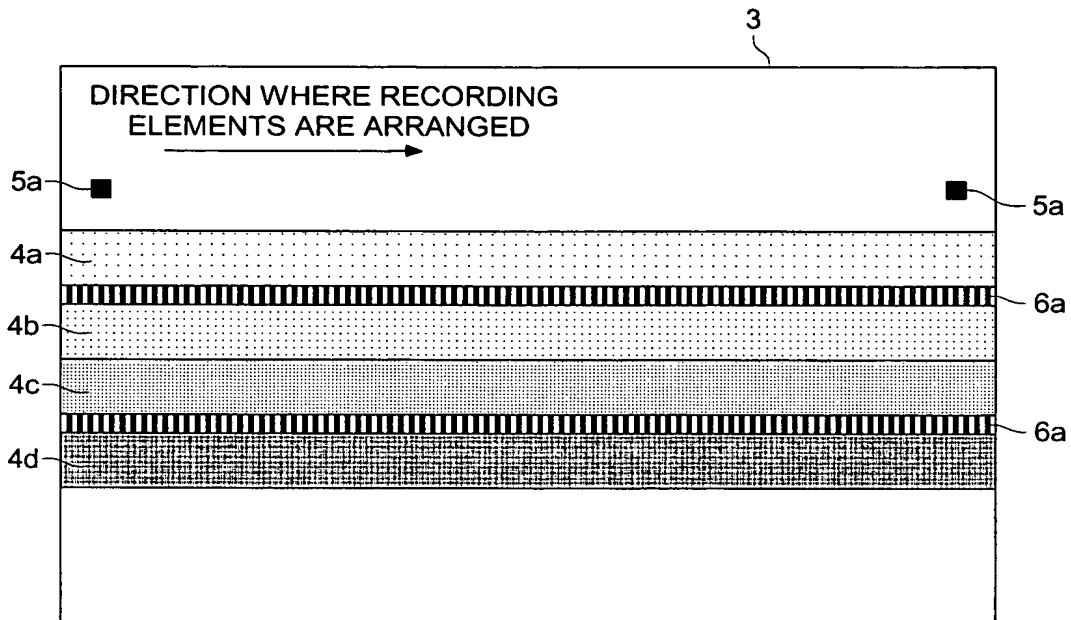


FIG. 15 (b)

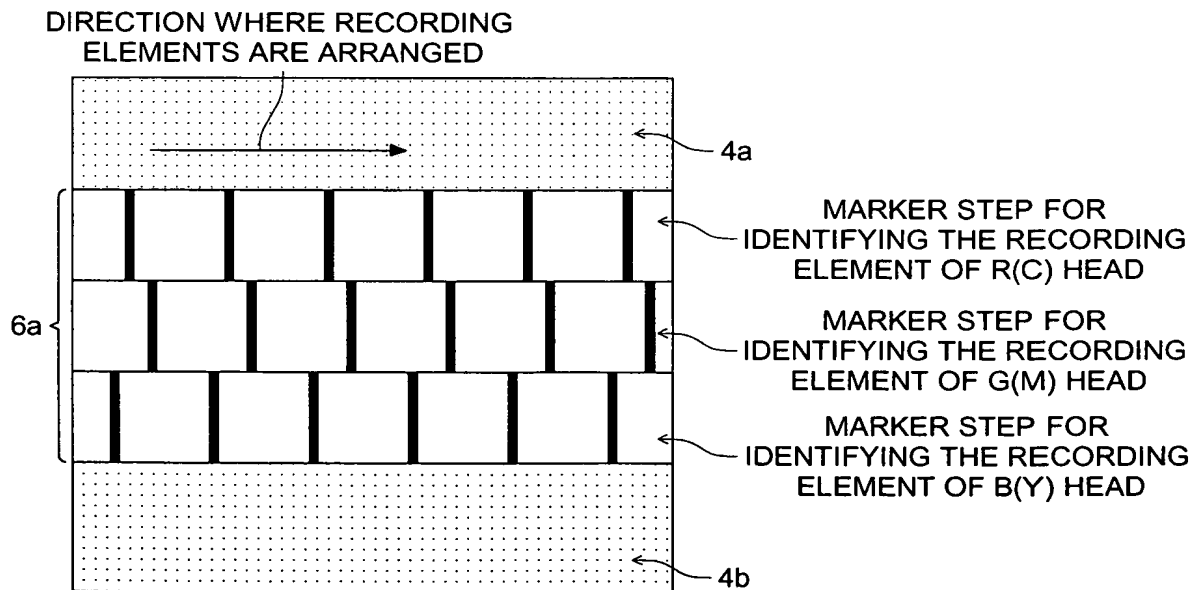


FIG. 16

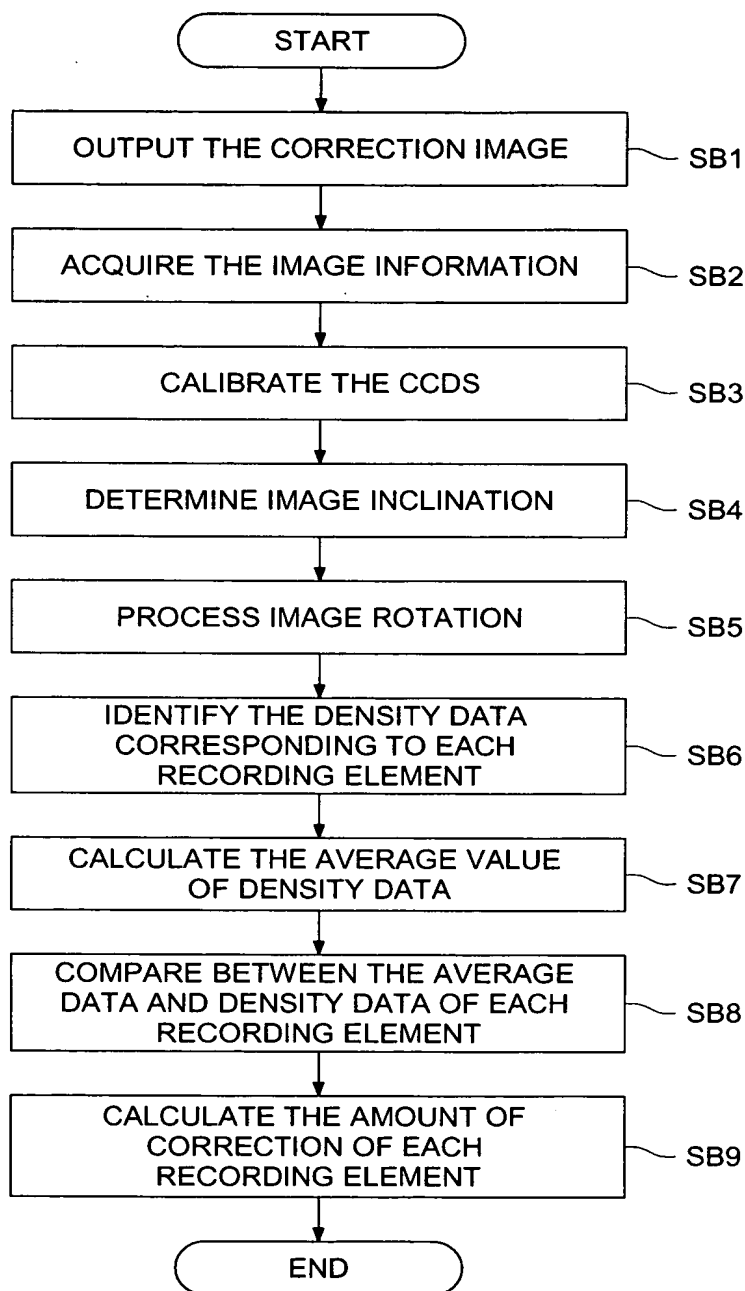


FIG. 17 (a)

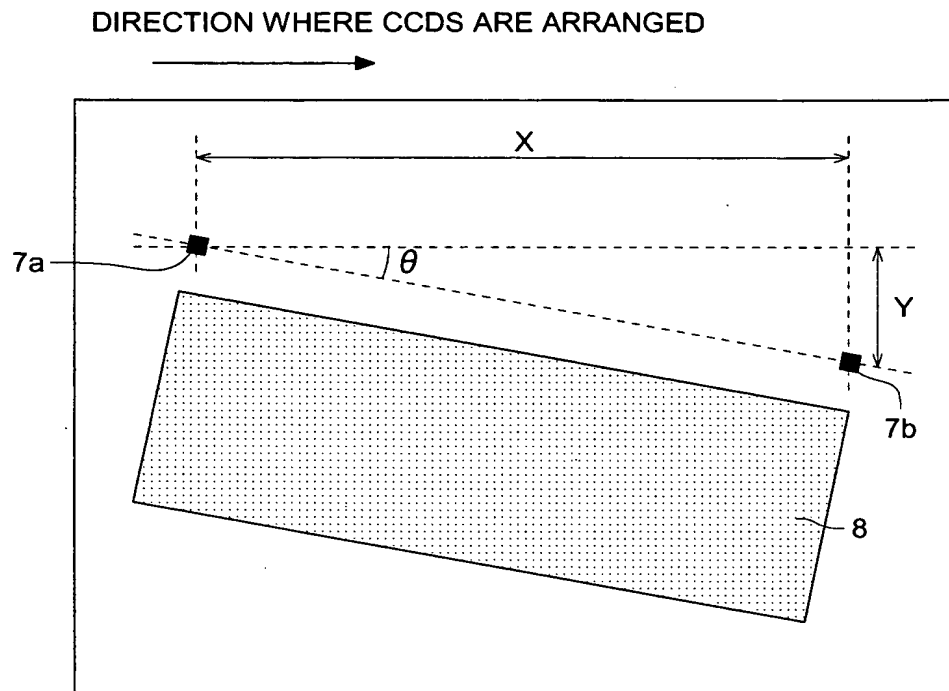
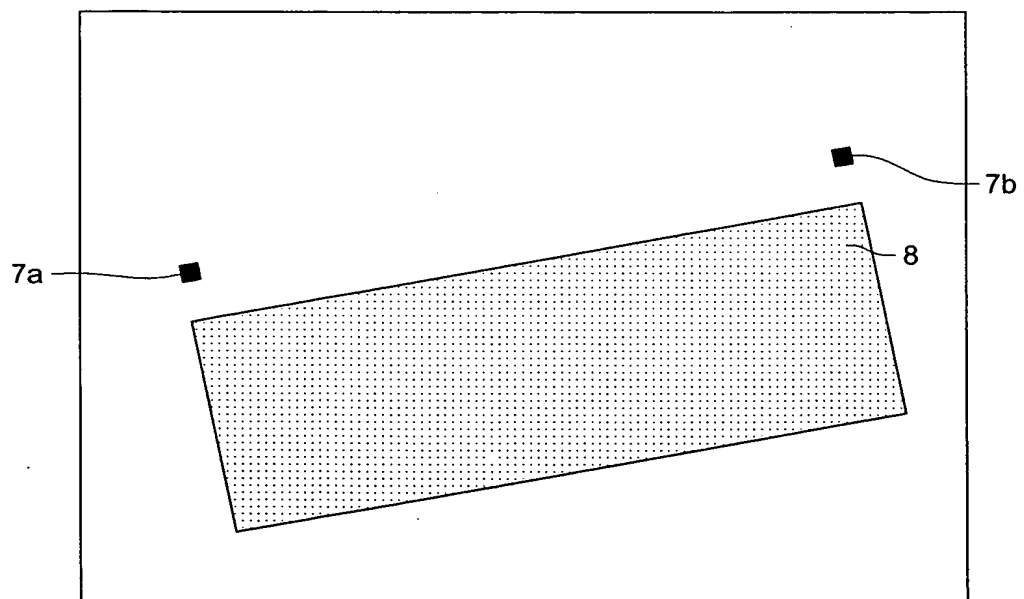


FIG. 17 (b)



## FIG. 18

### EXPERIMENT 1

	SET DIRECTION	ANGLE	CORRECTION TIME	VISUAL EVALUATION	$3\sigma R / \mu R$ (%)
<1>	VERTICAL	-	100	VERY BAD	19.64
<2>	HORIZONTAL	0	55	GOOD	1.75
<3>	HORIZONTAL	1	56	GOOD	1.94
<4>	HORIZONTAL	5	59	GOOD	3.31
<5>	HORIZONTAL	10	61	PASSABLE	6.65
<6>	HORIZONTAL	11	84	BAD	10.69

## FIG. 19

### EXPERIMENT 2

	CCD CALIBRATION	VISUAL EVALUATION
<1>	CALIBRATED	EXCELLENT
<2>	NOT CALIBRATED	GOOD

## FIG. 20

### EXPERIMENT 3

	SET DIRECTION	IMAGE DENSITY FOR CCD CALIBRATION	VISUAL EVALUATION	$3\sigma R / \mu R$ (%)
<1>	HORIZONTAL	LOW DENSITY (NON-LINEAR SECTION)	EXCELLENT	0.49
<2>	HORIZONTAL	INTERMEDIATE DENSITY (LINEAR SECTION)	GOOD	1.63
<3>	HORIZONTAL	HIGH DENSITY (NON-LINEAR SECTION)	EXCELLENT	0.88
<4>	VERTICAL	INTERMEDIATE DENSITY (LINEAR SECTION)	VERY BAD	18.24



## FIG. 21

### EXPERIMENT 4

	DATA USAGE RATE (%)	VISUAL EVALUATION	$3\sigma_G / \mu G$ (%)
<1>	100	VERY BAD	20.07
<2>	96	PASSABLE	9.13
<3>	95	GOOD	4.41
<4>	90	EXCELLENT	6.16
<5>	80	EXCELLENT	2.25
<6>	30	EXCELLENT	1.17
<7>	20	EXCELLENT	2.19
<8>	10	GOOD	4.24
<9>	9	PASSABLE	8.18

## FIG. 22

### EXPERIMENT 5

	$3\sigma$ VALUE	VISUAL EVALUATION	$3\sigma_B / \mu B$ (%)
<1>	$0.11\mu$	PASSABLE	13.89
<2>	$0.1\mu$	GOOD	5.76
<3>	$0.05\mu$	EXCELLENT	3.02
<4>	$0.01\mu$	EXCELLENT	1.56
<5>	-	VERY BAD	29.23

## FIG. 23

### EXPERIMENT 6

	SET DIRECTION	ANGLE	PROCESSING OF ROTATION	VISUAL EVALUATION	$3\sigma_B / \mu B$ (%)
<1>	VERTICAL	-	NOT APPLIED	VERY BAD	29.97
<2>	HORIZONTAL	4.8	APPLIED	EXCELLENT	2.78
<3>	HORIZONTAL	4.8	NOT APPLIED	GOOD	5.88
<4>	HORIZONTAL	9.5	APPLIED	EXCELLENT	2.79
<5>	HORIZONTAL	9.5	NOT APPLIED	PASSABLE	13.35

FIG. 24

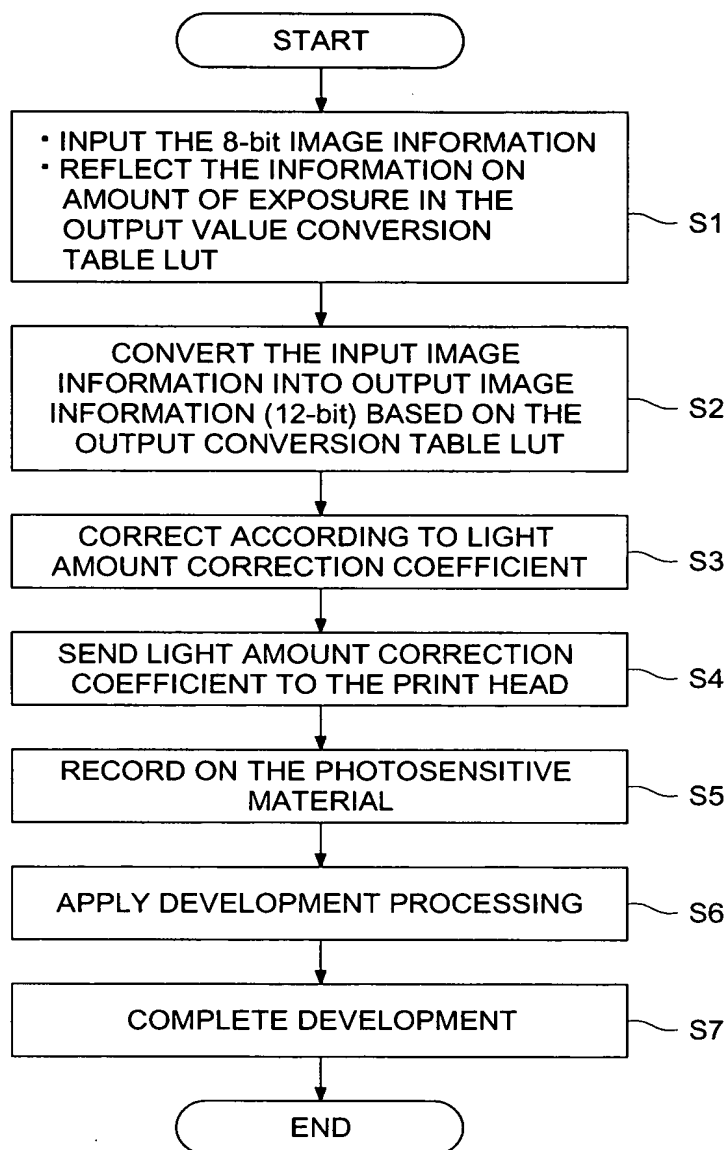


FIG. 25

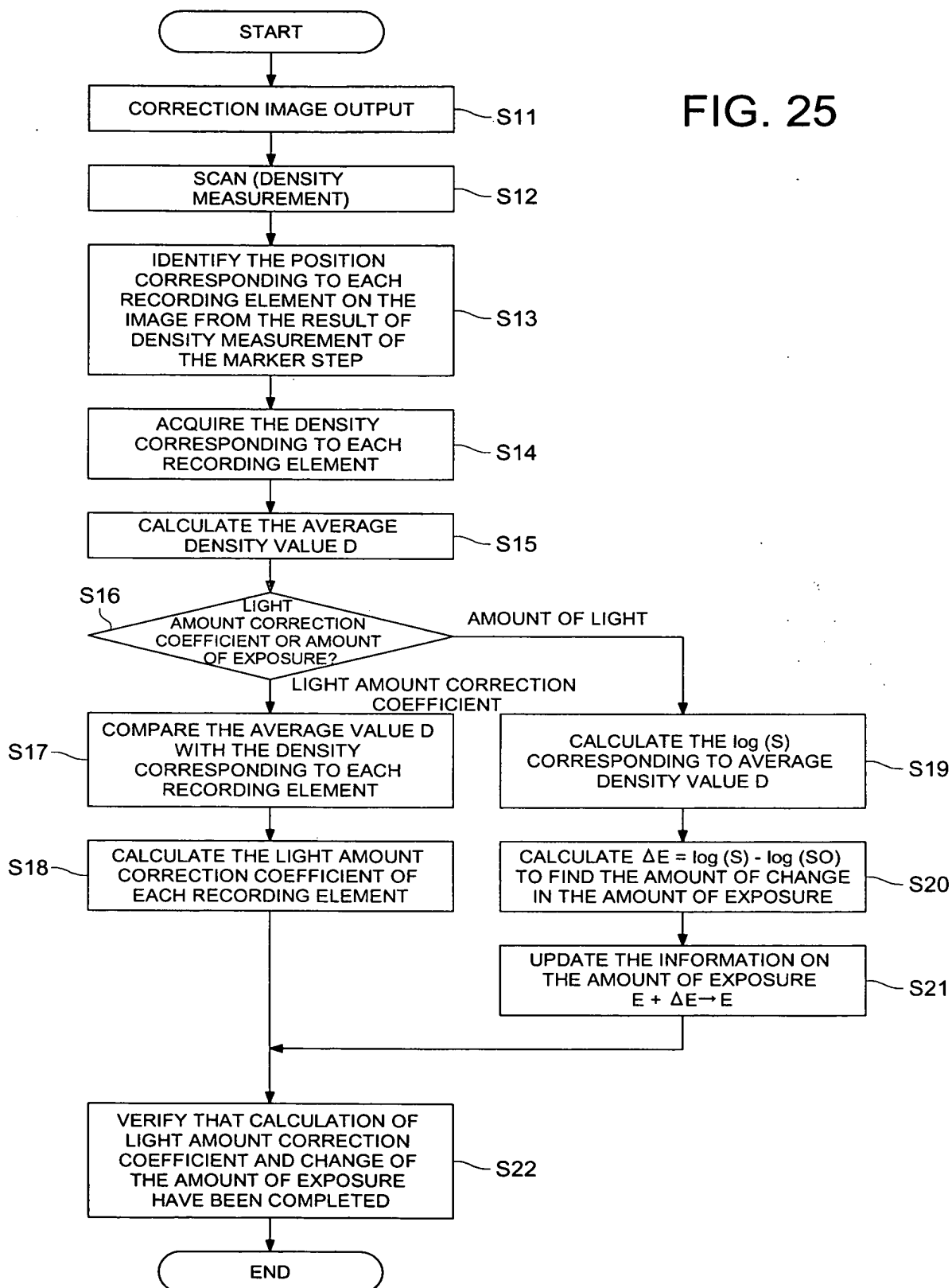


FIG. 26 (a)

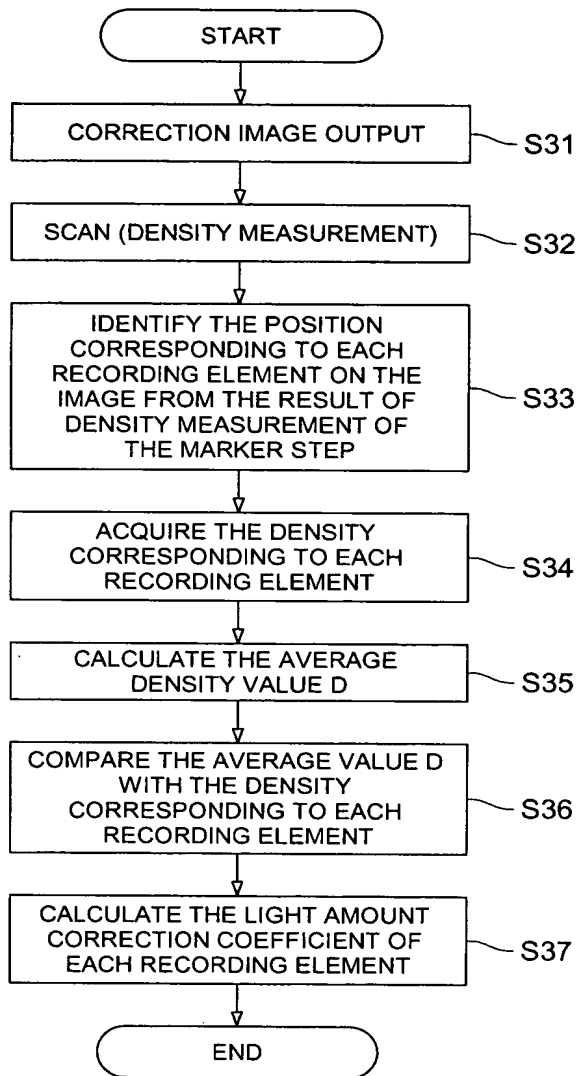


FIG. 26 (b)

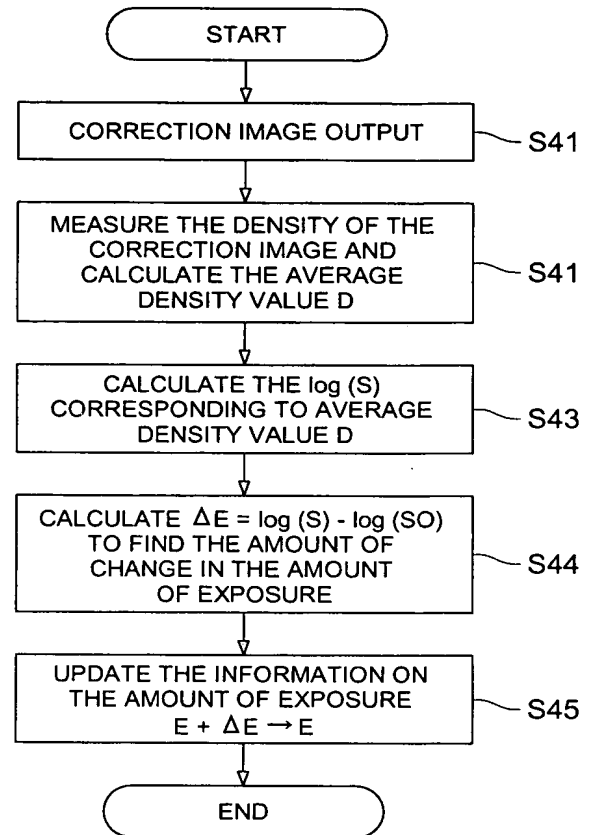


FIG. 27

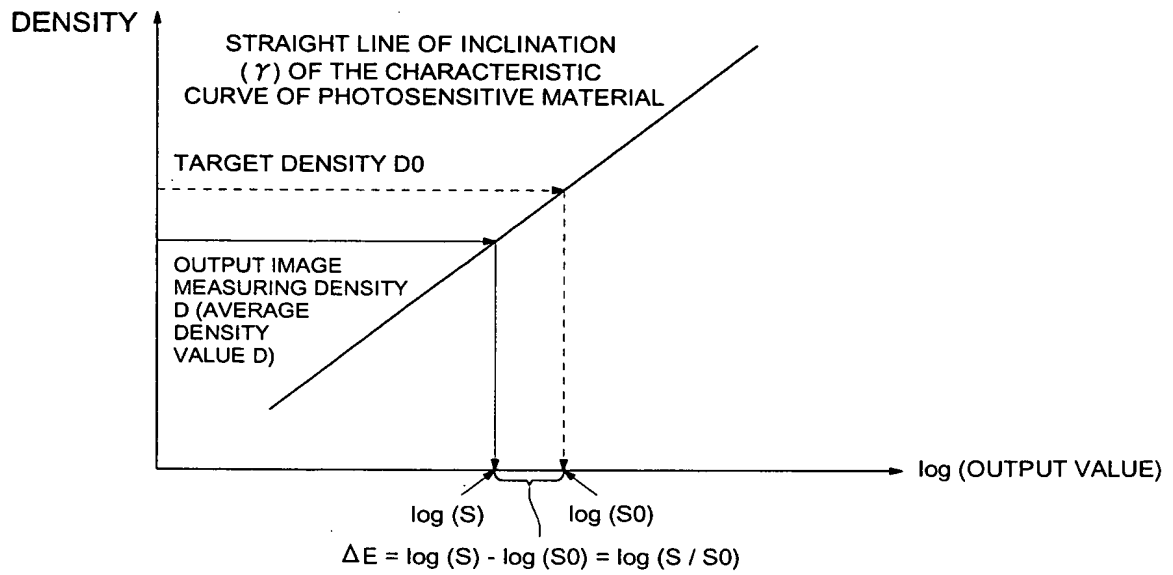


FIG. 28

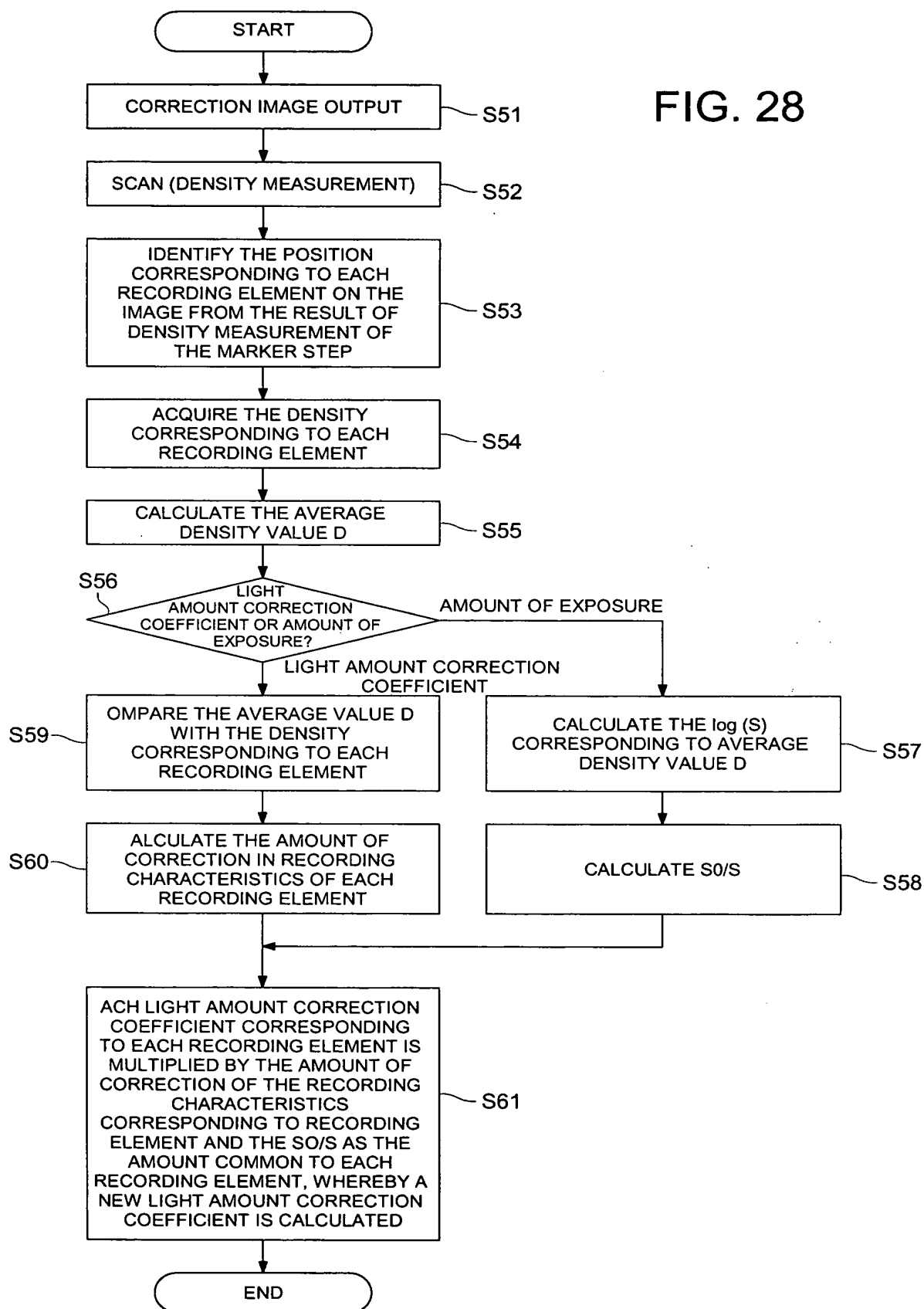


FIG. 29

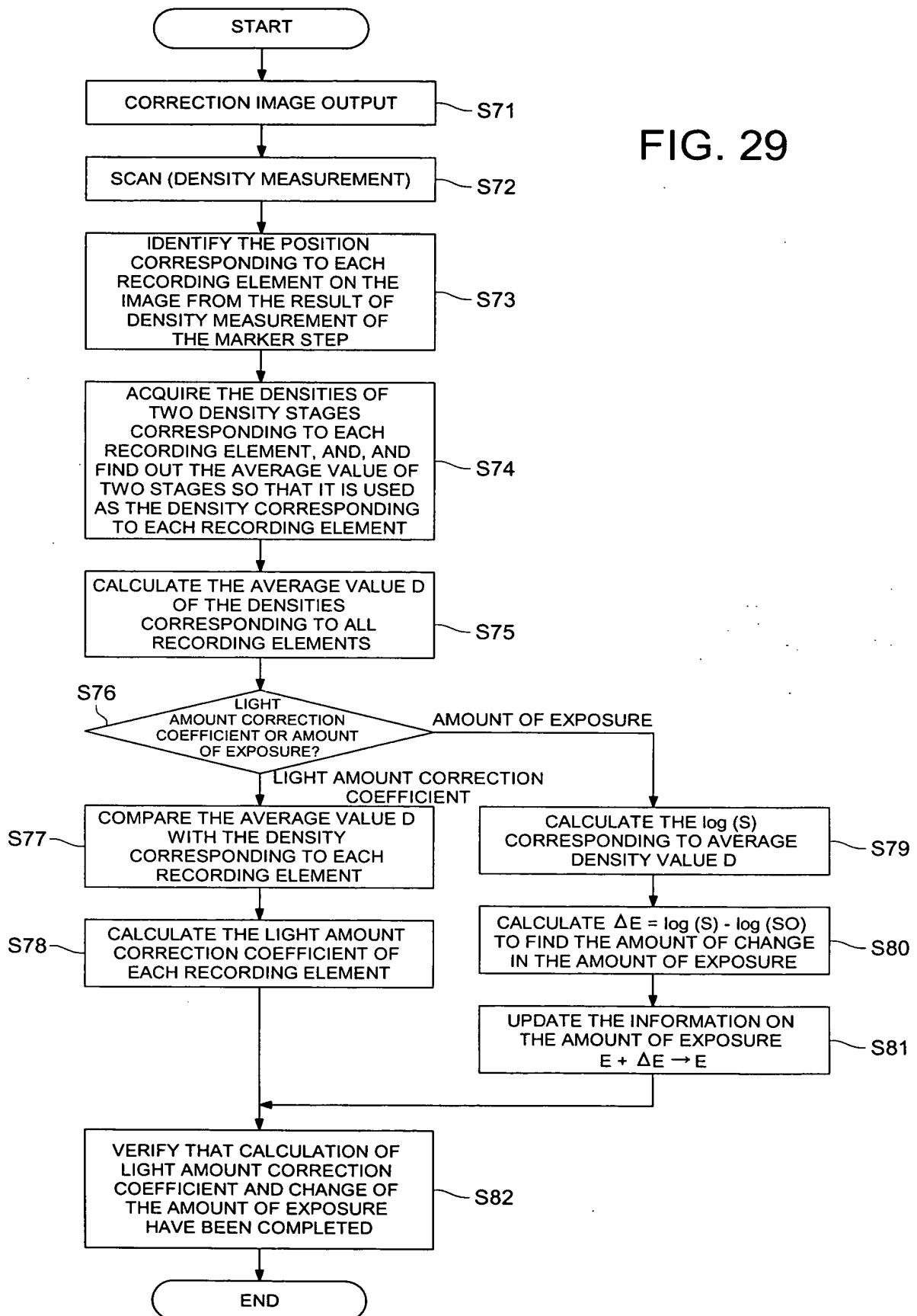


FIG. 30

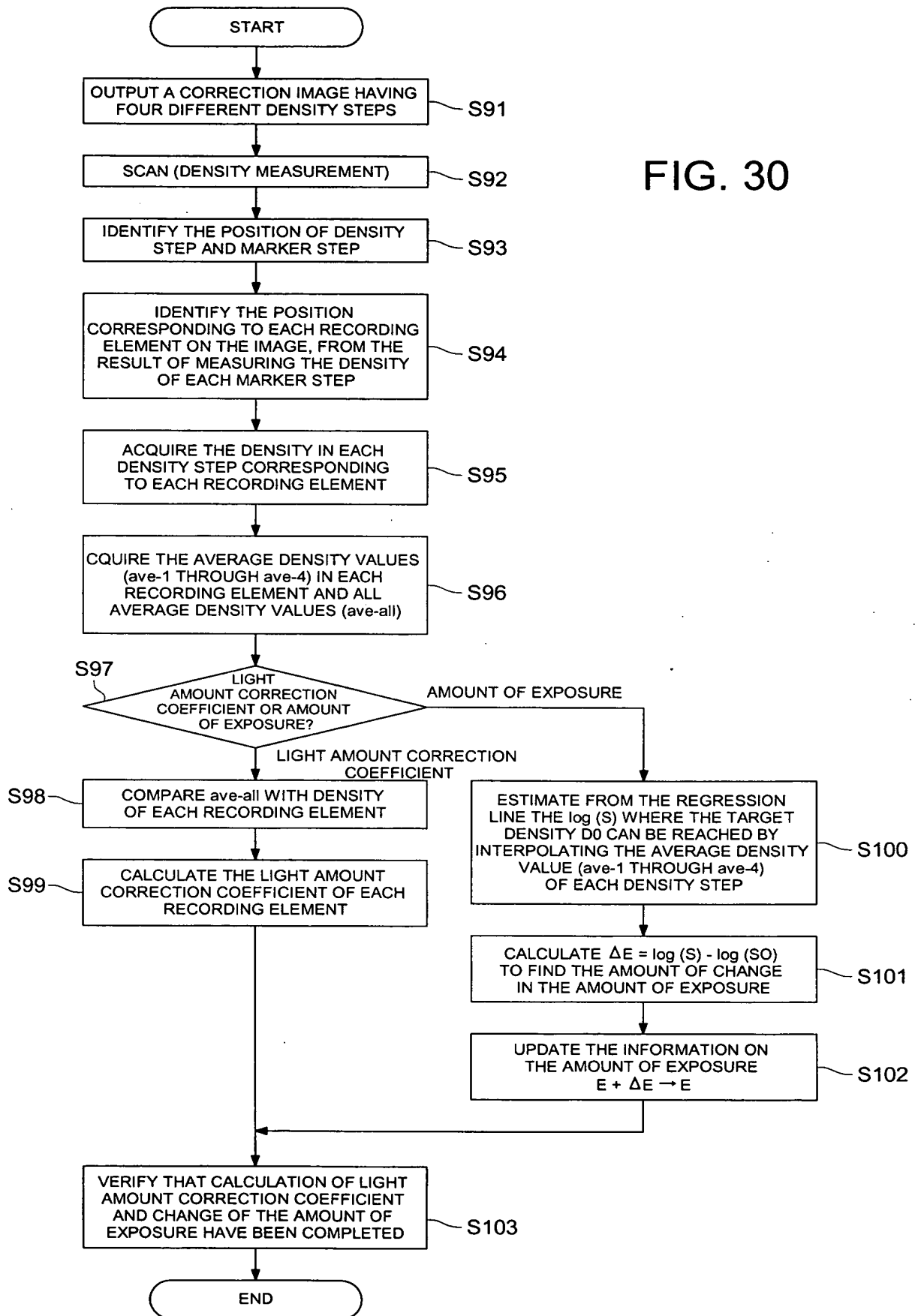




FIG. 31

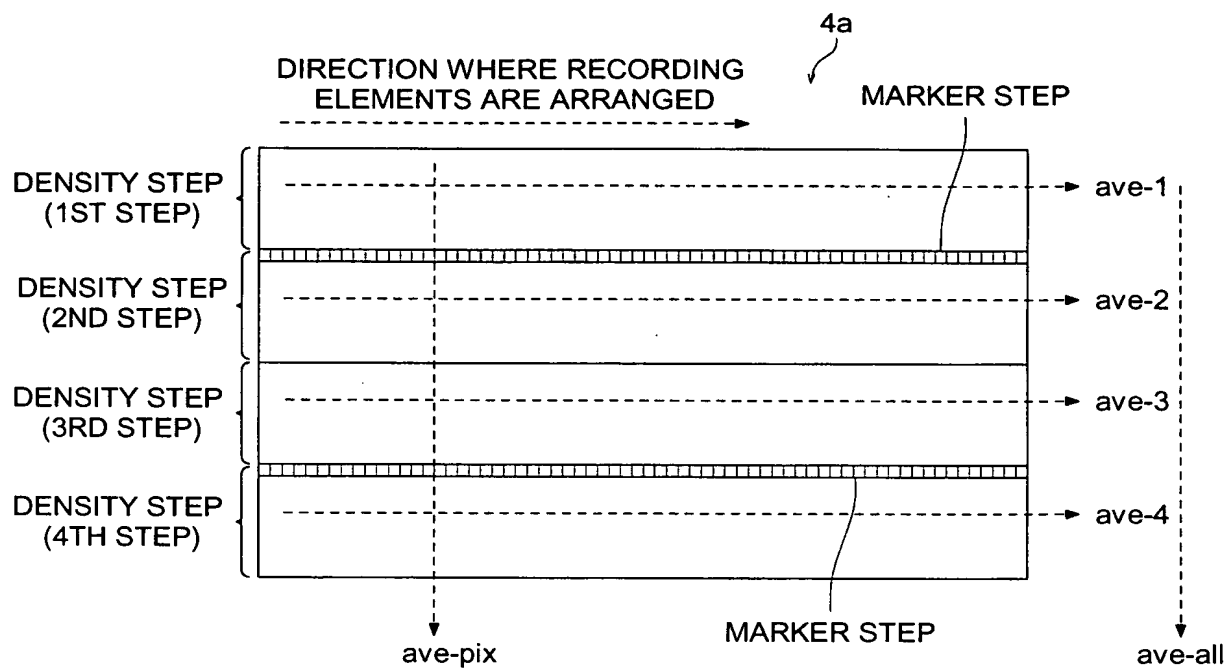


FIG. 32

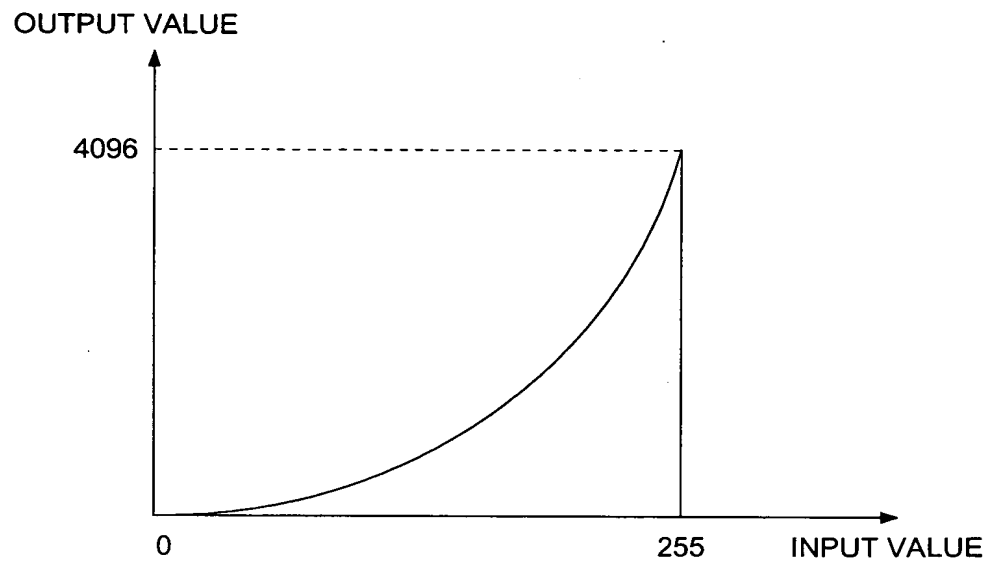


FIG. 33

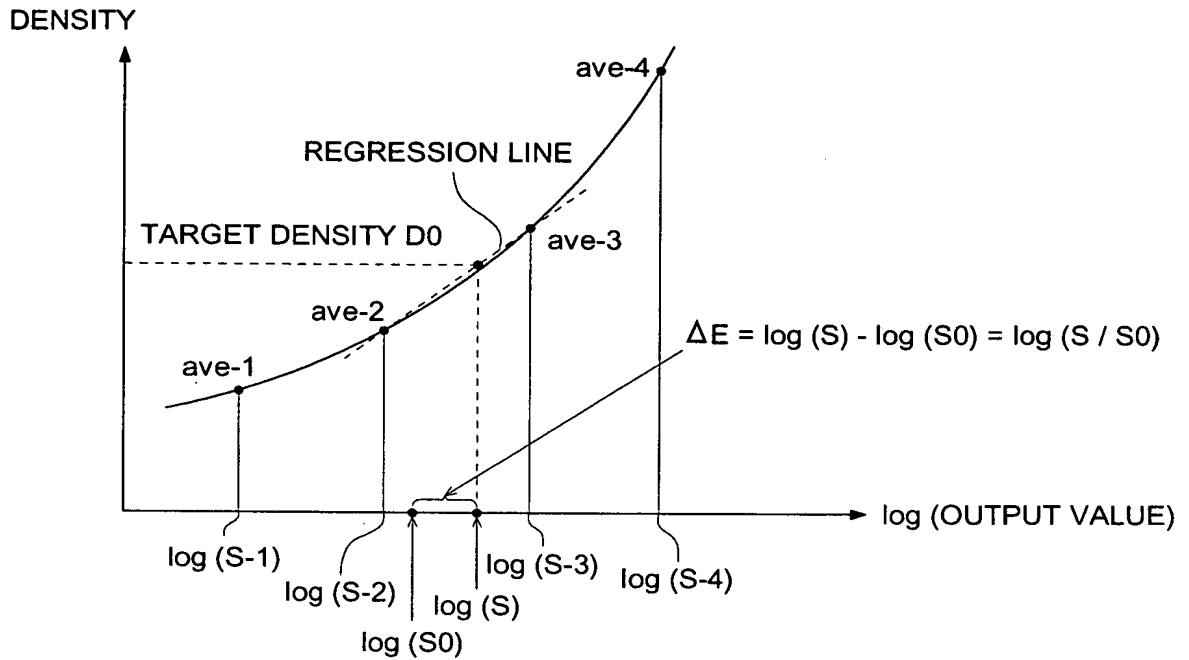


FIG. 34

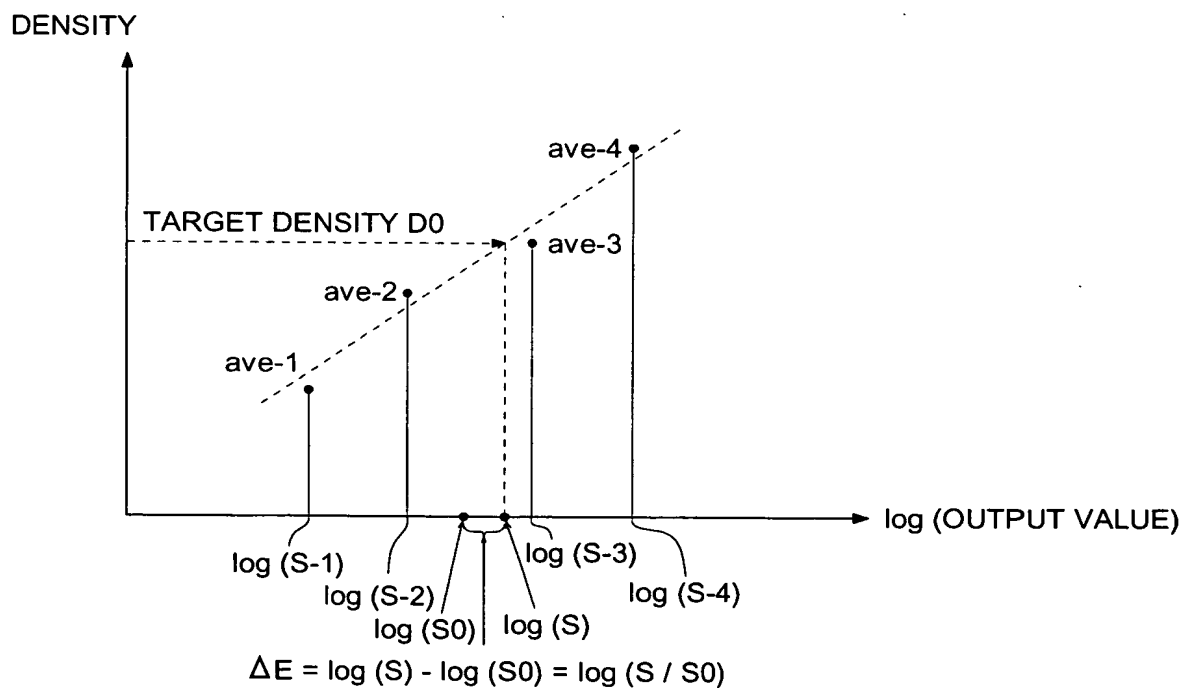


FIG. 35

NUMBER OF LINES	PERCENTAGE USED (%)	CONTRIBUTION OF PIXELS IN THE VICINITY	UNEVEN TEMPERATURE
40	75	CONTRIBUTE	PASSABLE
50	75	CONTRIBUTE	GOOD
60	75	CONTRIBUTE	EXCELLENT
80	75	CONTRIBUTE	EXCELLENT
100	75	CONTRIBUTE	EXCELLENT
200	75	CONTRIBUTE	GOOD
1000	75	CONTRIBUTE	GOOD
1050	75	CONTRIBUTE	PASSABLE
50	5	CONTRIBUTE	PASSABLE
50	10	CONTRIBUTE	GOOD
50	20	CONTRIBUTE	EXCELLENT
1000	80	CONTRIBUTE	EXCELLENT
1000	90	CONTRIBUTE	GOOD
1000	95	CONTRIBUTE	PASSABLE
60	75	NOT CONTRIBUTE	BAD

FIG. 36

